ABSTRACT

GENERATION OF AGITATION NOISE ACCORDING TO A PREDETERMINED HISTOGRAM

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The invention relates to a method and a device for generating agitation noise, and the agitation noise obtained.

A subject of the invention is a method for generating agitation noise
10 comprising an arbitrary number of points, with predetermined histogram, shaped around at least one frequency comprising:
- the generation of noise by a succession of several sequences $\{h(kN+n)\}_{1\leq n\leq N}$ of M.N points (M, N integers $\geq$ 1),
- [S2]: the choosing for each sequence of M basic subsequence(s)
15 $\{h_{lm}(n)\}_{1\leq n\leq N,\ m\leq M}$ in a random and independent manner from among at least L basic subsequence(s) of N shaped points (L integer $\geq$ 1),
- [S4]: the choosing in a random and independent manner, for each sequence, of the sign.

20 Thus, by not simply repeating the subsequence, the spectrum of the agitation noise obtained has no spectral lines.

A second variant of the invention furthermore comprises [S6]: the choosing in a random and independent manner, for each sequence, of the
25 direction of temporal reading of each of the chosen basic subsequences.

A third variant of the invention furthermore proposes, for each sequence, [S8]: the interleaving E of the M chosen subsequences.

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[Figure 3]